## THE POWER SUPPLIES SWITCHING BOARD

# An efficient system to minimize power supplies failure downtime. 

## THE POWER SUPPLIES SWITCHING BOARD

- 1 spare power supply +1 device to switch it on a magnet family
- Easy replacement of one of the 15 magnet power supplies
- Possibility to connect one power supply on dummy load
- Fast disconnection of a magnet chain for insulation test


## THE POWER SUPPLIES SWITCHING BOARD



Can replace one of the 15 power supplies

Stable stored beam

The power supplies
ARW 5th February 2002 switching board Jean Marc Koch ESRF

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Spare P.S. connection
The power supplies
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Serial line connection, back to beam

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The damaged P.S. can be repaired on dummy load
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The dummy load is adapted to the power supply in test

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## Power supply operational again

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## Dummy load

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The spare power supply ( 1200 V 800Amp) is in operation since 1995
The switching board is in operation since 1997

The price:
The floor area:
The time for switching:
20mn

